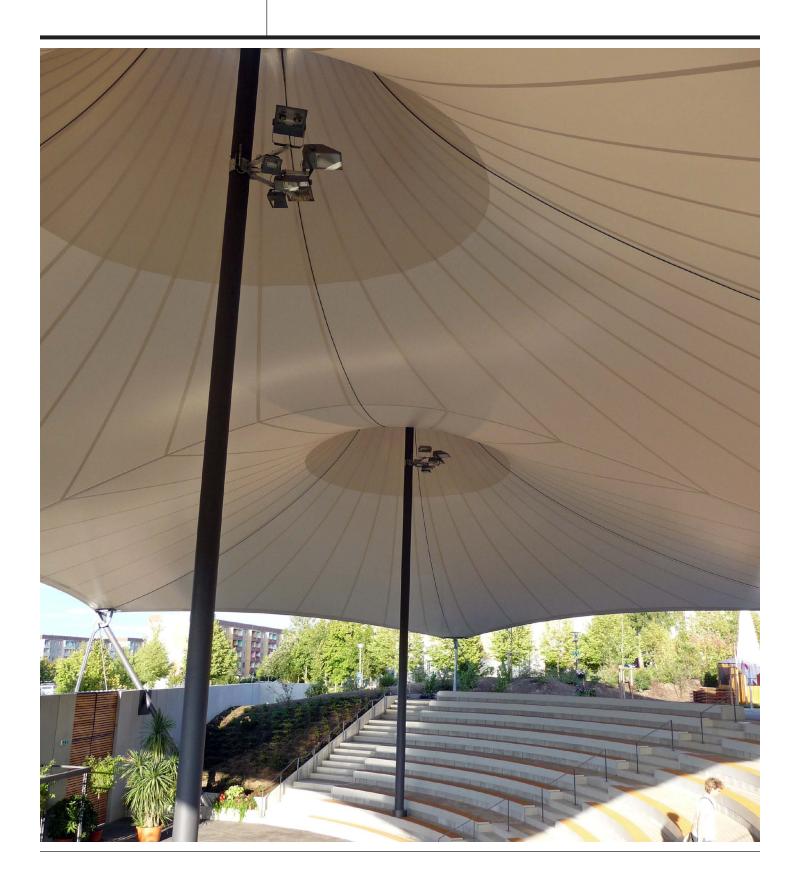
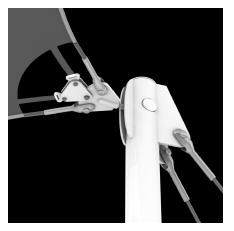
NOVUM



Cable Tensioned Fabric

Membrane System









System Components

- 01. PVC-PES, PTFE-Glass, Silicone-Glass or Tenara welded fabric
- 02. High strength stainless or galvanized steel cables
- 03. Adjustable tensioning devices
- 04. Structural steel support
- 05. Rain water diverters
- 06. Integrated perimeter detailing

Applications

- 01. Long span and cost effective overhead applications
- 02. For designs requiring large areas with adequate double curvature
- 03. Very lightweight primary structures with heavier foundations
- 04. Freeform surfaces
- 05. Ideal for smaller canopies, roofs, shade structures and areas requiring lightweight partially translucent or opaque covering with low maintenance

System Attributes

- 01. Full single service responsibility for structure and membrane
- 02. Fabric materials provide varied aesthetic and functional benefits
- 03. Lightweight roofing elements demonstrate high strength to weight performance by utilization of biaxial tension
- 04. Fabric materials are resistant to many chemicals and perform well in diverse climates and environments
- 05. Fabric materials transmit an average of 10% to 15% of visible light
- 06. No requirement for power and associated operational costs once built
- 07. PTFE has longer life, lower maintenance and improved dirt adhesion surfaces when compared to PVC
- 08. PVC is an excellent low cost but high performance shade provider with a more limited life expectancy
- 09. Tenara has good longevity and more ability to be folded with good light transmission, making it useful for retractable and special lighting applications
- 10. Fabrics may sustain damage, but do not readily tear. Discreet patching and local repair is possible at site
- 11. Woven fabrics work in bi axial tension and are less prone to wrinkling, yet this is dependent also on excellent patterning and correct installation
- 12. Fire rating typically ASTM E 84, NFPA 701, EN 13501-1 B-S1,d0. Selected fabrics pass ASTM E 136, DIN 4102 A2, BS 476 class 0

Options/Materials/Finishes

- 01. A variety of standard colors are available, especially in PVC
- 02. Membrane printing is available on PVC and can be customized for full screen or logo requirements using digital technology
- 03. Cables can be galvanized or stainless steel depending on forces
- 04. Mid and long term Maintenance Agreements